

#2

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/970,966

DATE: 10/19/2001
TIME: 10:49:40

Input Set : A:\484c6.app
Output Set: N:\CRF3\10192001\I970966.raw

4 <110> APPLICANT: Stolk, John A.
5 Molesh, David Alan
6 Fling, Steven P.
7 Xu, Jiangchun
10 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
11 AND DIAGNOSIS OF OVARIAN CANCER
14 <130> FILE REFERENCE: 210121.484C6
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/970,966 OK
17 <141> CURRENT FILING DATE: 2001-10-02
19 <160> NUMBER OF SEQ ID NOS: 215
21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 396
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <220> FEATURE:
29 <221> NAME/KEY: misc_feature
30 <222> LOCATION: 303, 370, 377, 382
31 <223> OTHER INFORMATION: n = A,T,C or G
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34 caaacctact agtaaatgaa agaaaatattg taatttgtat ttgatctgt gggctttgg 60
35 agtcagaact ggttttatca gcagtttgat cttctgaggt ctggtatgtt gtttgcggc 120
36 ccacagaacc ttcacgtgtt ttcacagcct caatgccata aggaaactct ttttagaagtt 180
37 ctgacagctg gtcatgttagg tataagacag gtgccttatac actgtggatt tcatttctt 240
38 caggatcttg gggagtatacg ttgctggatg catctatttc ctgagggtaa atatccctt 300
W--> 39 ggnncacgcn gcccgtcgag tctagagggc ccgttaaac ccgctgatca gcctcgactg 360
W--> 40 tgccttctan ttgccancca tntgttgttt gcccct OK 396
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43 <211> LENGTH: 396
44 <212> TYPE: DNA
45 <213> ORGANISM: Homo sapiens
47 <400> SEQUENCE: 2
48 cgacaaaaaa gtaaactcca agtgaacatc aaatcaaatac taatccttt ggccacatga 60
49 ctgggtgttc tttatctcat agttacaatg aatcatataa actgttagact gccactacca 120
50 cgatacttct gtgacacaga aggaatgtcc tatttgccta tctatctgag gaatgttaaa 180
51 tagagaaaaaa tagattataa aacaacctgg aggtcacagg attctgagat aatccctctg 240
52 ttaaaaaaaca tctgaacagc aaatgtccaa tctgtataa aatagttaaa ggtccaagtc 300
53 aagtccactt ctacttggct ggcccagcac aagaaatcta acagcacttt gtaatcattt 360
54 tgctttctta atttccccgg aggacatggg ccattt 396
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 396
58 <212> TYPE: DNA
59 <213> ORGANISM: Homo sapiens
61 <220> FEATURE:
62 <221> NAME/KEY: misc_feature
63 <222> LOCATION: 22, 28, 29, 30, 33, 36, 41, 43, 45, 46, 53, 56, 58, 61, 64,
64 69, 70, 74, 75, 78, 83, 84, 85, 102, 143, 335

num 5 error and

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65 <223> OTHER INFORMATION: n = A,T,C or G
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 W--> 69 naanccann cccnnggnac canncagg agttgggtgg anactgagtg gggtttgt 120
 W--> 70 gggtaggggg gcatctactc cnnttgcac aagccaaag tagaacagcc taaggaaaag 180
 71 tgacctgcct tggagcccta gtcctccct tagggcccc tcagcctacc ctatccaagt 240
 72 ctgaggctat ggaagtctcc ctcttagttc actacgaggt tccccatctt ttccaggctg 300
 W--> 73 cccttagcac tccacgttt tctgaaaaaa tctatcacagg cccttttgg gtaccta 360
 74 cccagctgag gttgtgagct tgtaaggtaa agcaag 396
 76 <210> SEQ ID NO: 4
 77 <211> LENGTH: 396
 78 <212> TYPE: DNA
 79 <213> ORGANISM: Homo sapiens
 81 <220> FEATURE:
 82 <221> NAME/KEY: misc_feature
 83 <222> LOCATION: 13, 15, 21, 27, 34, 37, 41, 57, 58, 59, 63, 64, 71, 72, 77,
 84 78, 83, 87, 93, 170, 207, 210, 308, 379, 382, 389, 391,
 85 392, 393, 395
 86 <223> OTHER INFORMATION: n = A,T,C or G
 88 <400> SEQUENCE: 4
 W--> 89 gaccaatcct tgnncnacta ncaaaangac cccnctnacc nccaggaact gaacctnnnt 60
 W--> 90 gtnnacctcc nnctgcnnag ccntatntcc aanaatcaccc accgtatcca ctggaatct 120
 W--> 91 gccagcctcc tgcgatcaga agagaccaat cgaaaatgag gttttcacan tcacagctga 180
 W--> 92 agaaaaaggc caaggcacct tgcggnggn gacaatgtac catgctaagg ccaaagatca 240
 93 actcacctgt aataaaattcg acctcaaggt caccataaaa ccagcaccgg aacagaaaaaa 300
 W--> 94 gagggctnag gatgcccaag aaactttt gatccttga aaactgtacc aaggtaccgg 360
 W--> 95 ggggagaccc agggaaaggnc ctttatgtnt nnntnt 0 ✓ 396
 97 <210> SEQ ID NO: 5
 98 <211> LENGTH: 396
 99 <212> TYPE: DNA
 100 <213> ORGANISM: Homo sapiens
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 103 <221> NAME/KEY: misc_feature
 104 <222> LOCATION: 135, 172, 343, 348, 354, 395 ✓
 105 <223> OTHER INFORMATION: n = A,T,C or G
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 108 gacgccggag ctgccgcgc agtcgcctag caggtcctat accggcttat tcctgtgccg 60
 109 gatcttcattc ggcacagggg ccactgagac gtttctgcct ccctcttct tcctccgctc 120
 W--> 110 tttcttccc ctctgttta gtttgcctgg gagcttgaaa ggagaaaagca cnggggtcgc 180
 111 cccaaaccct ttctgcttct gcccattaca agtgcacta cgcctatggg cctcaactatc 240
 112 tcctccctct tctccgact atttggcaag aagcagatgc gcattttgat ggttggattg 300
 W--> 113 gatgctgctg gcaagacaac cattcttgat aaactgaaag tanggganat aagnaccacc 360
 W--> 114 atttctacca ttgggtttaa tggggaaac agtaha 396
 116 <210> SEQ ID NO: 6
 117 <211> LENGTH: 396
 118 <212> TYPE: DNA
 119 <213> ORGANISM: Homo sapiens
 121 <220> FEATURE:
 122 <221> NAME/KEY: misc_feature

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Input Set : A:\484c6.app
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123 <222> LOCATION: 212
 124 <223> OTHER INFORMATION: n = A,T,C or G
 126 <400> SEQUENCE: 6
 127 acgggaggcg ccgggaagtc gacggcgccg ggggtcttg caggaggcca ctgtctgcag 60
 128 ctcccgtgaa gatgtccact ccagaccac ccctggcgg aactcctcgg ccaggtcctt 120
 129 cccccggccc tgcccttccc ctggagccat gctggggccct agcccggtc cctcgccggg 180
 W--> 130 ctccggccac agcatgatgg ggcccagccc aaaaaaaaaaaaaaaa 240 *OK*
 131 ccacccaggg gcctggaggg taccctcagg acaacatgca ccagatgcac aagcccatgg 300
 132 agtccatgca tgagaaggc atgtcggacg acccgcgcta caaccagatg aaaggaatgg 360
 133 ggatgcggtc aaaaaaaaaaaaaaaa gctggatgg ggccccc 396
 135 <210> SEQ ID NO: 7
 136 <211> LENGTH: 396
 137 <212> TYPE: DNA
 138 <213> ORGANISM: Homo sapiens
 140 <400> SEQUENCE: 7
 141 acccgagagt cgtcgggtt tcctgcttca acagtgcgtt gacggaaacc ggcgctcggtt 60
 142 ccccaccccg gccggccgcc catagccgc cctccgtcac ctcttccaccc caccctcgga 120
 143 ctgccccaaag gccccggccg ccgcgtccgc ggcgcgcgc caccgcgcgc gccgcgcgc 180
 144 ctcccttagtc gccggccatga cgaccgcgtc caccgcgcgc gtcgcgcaga actaccacca 240
 145 ggactcagag gcccgcata accgcgcagat caacctggag ctctacgcct cctacgttt 300
 146 cctgtccatg tcttaactt ttgaccgcga tgatgtggct ttgaagaact ttgccaata 360
 147 ctttcttccac caatctcatg aggagaggaa acatgc 396
 149 <210> SEQ ID NO: 8
 150 <211> LENGTH: 396
 151 <212> TYPE: DNA
 152 <213> ORGANISM: Homo sapiens
 154 <400> SEQUENCE: 8
 155 cgacaacaag gttaataacct tagttcttaa cattttttt ctttatgtgt agtgtttca 60
 156 tgctacctt gtagaaact tatttacaaa ccatattaaa aggtaattt aaatataaaat 120
 157 aatataaaat gctctgaata aagcagaaat atattacagt tcattccaca gaaagcatcc 180
 158 aaaccaccca aatgaccaag gcatatatag tatttggagg aatcagggtt ttggaaggag 240
 159 tagggaggag aatgaaggaa aatgcaacca gcatgattat agtgtttca ttttagataaa 300
 160 agtagaaggc acaggagagg tagcaaaggc caggctttc ttgggtttc ttcaaacata 360
 161 ggtgaaaaaa acactgcac tcacaagtca aggaac 396
 163 <210> SEQ ID NO: 9
 164 <211> LENGTH: 396
 165 <212> TYPE: DNA
 166 <213> ORGANISM: Homo sapiens
 168 <220> FEATURE:
 169 <221> NAME/KEY: misc_feature
 170 <222> LOCATION: 321, 344
 171 <223> OTHER INFORMATION: n = A,T,C or G
 173 <400> SEQUENCE: 9
 174 tcgacatcgc ggcaactttt tgcggattgt tctgcttcc aggcttgcg ctgcaaatcc 60
 175 agtgcacca gtgtgaagaa ttccagctga acaacgactg ctccctccccc gagttcattt 120
 176 tgaattgcac ggtgaacgtt caagacatgt gtcagaaaga agtgcgttgcg 180
 177 ggatcatgta ccgcaagttt tgcgcacatcat cagccgcctt tctcatgcgc tctgcgggt 240
 178 accagtcctt ctgccttccca gggaaaactga actcagtttgc catcagtcg tgcaacaccc 300
 W--> 179 ctctttgttaa cggcccaagg nccaaaaaaa gggaaaatgtt ctgcgcgcgc ccctcaggcc 360 *OK*

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Input Set : A:\484c6.app
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180 agggctccgc accaccatcc tgttcctcaa attagc 396
 182 <210> SEQ ID NO: 10
 183 <211> LENGTH: 396
 184 <212> TYPE: DNA
 185 <213> ORGANISM: Homo sapiens
 187 <220> FEATURE:
 188 <221> NAME/KEY: misc_feature
 189 <222> LOCATION: 115, 116, 117, 130, 138, 142, 143, 144, 145, 146, 153, 157,
 190 158, 159, 160, 164, 175, 176, 177, 178, 179, 183, 187, 197,
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 192 220, 221, 222, 226, 231, 234, 236, 237, 245, 246, 247
 193 <223> OTHER INFORMATION: n = A,T,C or G
 195 <221> NAME/KEY: misc_feature
 196 <222> LOCATION: 250, 255, 264, 266, 267, 268, 269, 270, 271, 272, 279, 284,
 197 297, 303, 304, 305, 308, 315, 317, 318, 319, 320, 321, 322,
 198 323, 333, 334, 337, 338, 342, 343, 368, 372, 374, 380, 381,
 199 391, 395
 200 <223> OTHER INFORMATION: n = A,T,C or G
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 203 cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
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 W--> 205 tttttttttt aaaaaaangg gnnnnnntttt ttncccnhhh gggggggggg ggggnnnnnt 180
 W--> 206 ttnaaaaaaa aaaaacccnaaa annnnnngggg nnannnaan nncccncccc naancnntaa 240
 W--> 207 aaaaamnggn aaaaahgggg gggnamnnnn nnggggggha aaahttttttt tttttttaag 300
 W--> 208 gnnnnngnaa aaaaantnnnn hanntttttt ttnnaahngg gnnaaaaaaa aaaaaaaaaa 360
 W--> 209 atttttthgg gttttaggggn nnnnnnnnn ncccha OK 396
 211 <210> SEQ ID NO: 11
 212 <211> LENGTH: 396
 213 <212> TYPE: DNA
 214 <213> ORGANISM: Homo sapiens
 216 <400> SEQUENCE: 11
 217 agaacacagg tgcgtgaaa actaccccta aaagccaaaa tgggaaagga aaagactcat 60
 218 atcaacattg tcgtcattgg acacgtatg tcggcaagt ccaccactac tggccatctg 120
 219 atctataaat gcggtgccat cgacaaaaga accattgaaa aatttgagaa ggaggctgct 180
 220 gagatggaa aggcttcctt caagtatgcc tggcttgg ataaactgaa agctgagcgt 240
 221 gaacgtggta tcaccattga tatcccttg tggaaatttg agaccagcaa gtactatgtg 300
 222 actatcattg atgccccagg acacagagac ttatcaaaa acatgattac agggacatct 360
 223 caggctgact gtgcgtcct gattgtgct gctgg 396
 225 <210> SEQ ID NO: 12
 226 <211> LENGTH: 396
 227 <212> TYPE: DNA
 228 <213> ORGANISM: Homo sapiens
 230 <400> SEQUENCE: 12
 231 cggaaaccctt taaaacccgg tcatccggac atcccaacgc atgctcctgg agctcacagc 60
 232 cttctgttgt gtcatttctg aaacaagggc gtggatccct caaccaagaa gaatgtttat 120
 233 gtcttcaagt gacctgtact gcttggggac tattggagaa aataagtggt agtcctactt 180
 234 gtttaaaaaaa tatgtatcta agaatgttct agggcactct gggAACCTTAAAGGCGAGGT 240
 235 atttcgggcc ctccttcata ggaatcttcc tgaagacatg gcccagtcga aggcccagga 300
 236 tggcttttgc tgccggccccg tggggtagga gggacagaga gacaggaga gtcagcctcc 360

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237 acattcagag gcatcacaag taatggcaca attctt 396
239 <210> SEQ ID NO: 13
240 <211> LENGTH: 396
241 <212> TYPE: DNA
242 <213> ORGANISM: Homo sapiens
244 <400> SEQUENCE: 13
245 accacaggct ggccacaaga agcgctggag tgtgctggcg gctgcaggcc tacggggcct 60
246 ggtccggctg ctgcacgtgc gtgcccggctt ctgctgcggg gtcataccgg cccacaagaa 120
247 ggccatcgcc accctgtgct tcagccccgc ccacgagacc catctcttca cggcctccta 180
248 tgacaaggcg gatcatccctt gggacatcg ggtgcccaac caggactacg aattccaggc 240
249 cagccagctg ctcacactgg acaccaccc tatccccctg cgcctctgcc ctgtcgccctc 300
250 ctgcccggac gcccgcctgc tggccggctg cgagggcggc tgctgctgct gggacgtgcg 360
251 gctggaccag cccaaaaga ggagggtgtg tgaagt 396
253 <210> SEQ ID NO: 14
254 <211> LENGTH: 396
255 <212> TYPE: DNA
256 <213> ORGANISM: Homo sapiens
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259 acggcgtcct cgtggaaatg acatcgctt taaaacctgc gtggcaatcc ctgacgcacc 60
260 gccgtatgc ccaggaaaga cagggcgacc tggaagtcca actacttcct taagatcatc 120
261 caactattgg atgattatcc gaaatgttcc attgtgggag cagacaatgt gggctccaag 180
262 cagatgcagc agatccgcattt gtccttcgc gggaaaggctg tggtgctgat gggcaagaac 240
263 accatgatgc gcaaggccat ccgagggcac ctggaaaaca acccagctct ggagaaactg 300
264 ctgcctcata tccggggaa tggggctt gtgttcacca aggaggaccc cactgagatc 360
265 agggacatgt tgctggccaa taaggtgcca gctgct 396
267 <210> SEQ ID NO: 15
268 <211> LENGTH: 396
269 <212> TYPE: DNA
270 <213> ORGANISM: Homo sapiens
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: 333
275 <223> OTHER INFORMATION: n = A,T,C or G
277 <400> SEQUENCE: 15
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279 gatgaagact ctgctgctgt ttgtgggct gctgctgacc tggagagt ggcaggctcct 120
280 gggggaccag acggctcag acaatgagct ccaggaaatg tccaaatcagg gaagtaagta 180
281 cgtcaataag gaaattcaaa atgcttgtca acggggtaa acagataaag actctcatag 240
282 aaaaaacaaa cgaagagcgc aagacactgc tcagcaacct agaagaagcc aagaagaaga 300
W--> 283 aagaggatgc cctaaatgag accaggaaat caragacaaa gctgaaggag ctcccaggag 360 ✓
284 tgtgcaatga gaccatgatg gccctctggg aagagt 396
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287 <211> LENGTH: 396
288 <212> TYPE: DNA
289 <213> ORGANISM: Homo sapiens
291 <220> FEATURE:
292 <221> NAME/KEY: misc_feature
293 <222> LOCATION: 114, 121, 122, 123, 127, 134, 136, 138, 140, 141, 142, 143,
294 144, 148, 163, 166, 172, 173, 174, 176, 177, 183, 184, 185,
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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

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L:16 M:270 C: Current Application Number differs, Wrong Format
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:94 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:351 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20

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L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20

L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21

L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21